

Journal of Materials Chemistry B

Materials for biology and medicine

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et al., pp. 1126–1148.

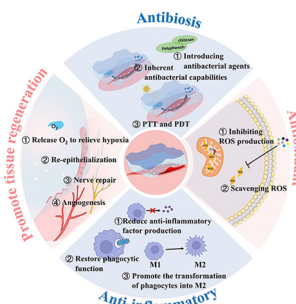
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2024, 12, 1126.

REVIEWS

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Recent advances of hydrogels as smart dressings for diabetic wounds

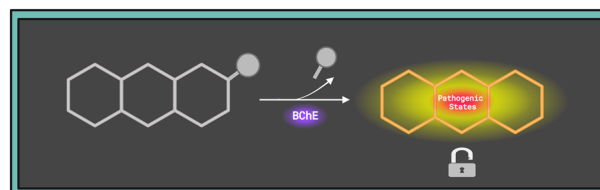
Xu Wang, Yuhan Yang, Weifeng Zhao, Zhou Zhu* and Xibo Pei*



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Optical imaging probes for selective detection of butyrylcholinesterase

Musa Dirak, Jefferson Chan and Safacan Kolenen*



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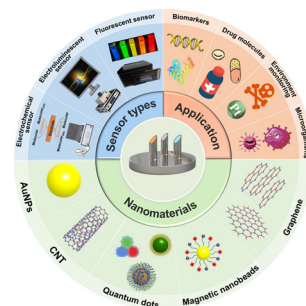


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A review of nanomaterials for biosensing applications

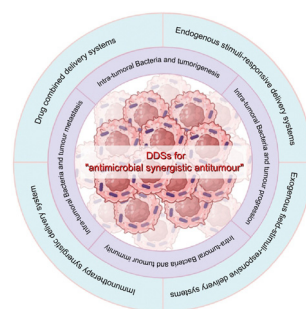
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Drug delivery systems for enhanced tumour treatment by eliminating intra-tumoral bacteria

Ziyi Liu, Yige Ma, Jinxin Ye, Guofeng Li, Xiaoxu Kang,* Wensheng Xie* and Xing Wang*

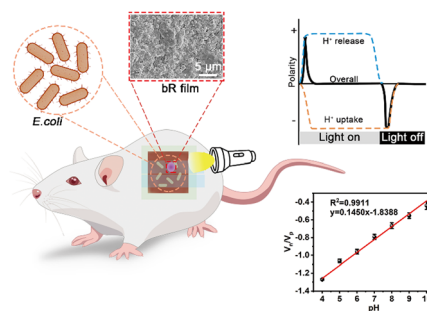


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A light-sensitive protein-based wearable pH biometer

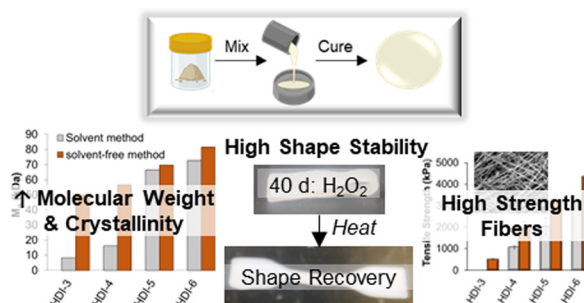
Wenxue Li, Siyuan Chen, Shiwang Xie, Xianmao Lu, Zhou Li,* Yujia Lv* and Dan Luo*



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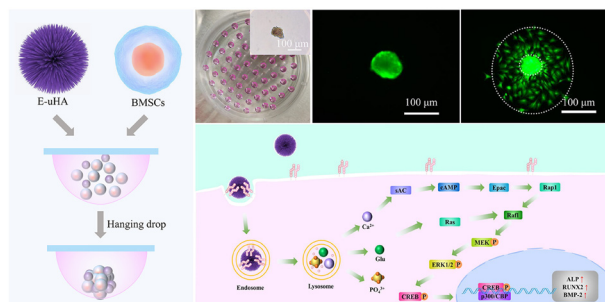
Solvent-free synthesis of biostable segmented polyurethane shape memory polymers for biomedical applications

Maryam Ramezani, Dariya Getya, Ivan Gitsov and Mary Beth Browning Monroe*



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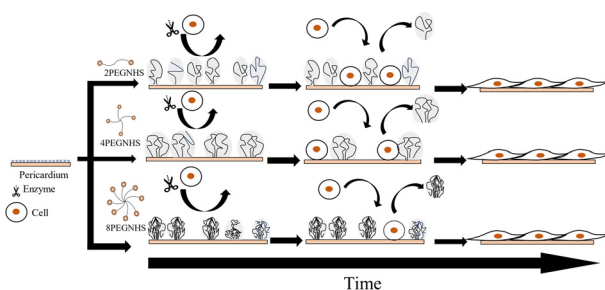
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3D stem cell spheroids with urchin-like hydroxyapatite microparticles enhance osteogenesis of stem cells

Hongmei Liu, Jianxin Ye, Hui Hu, Yuheng Song, Huijun Qiang, Junjun Wang, Lei Zhou, Xuefen Wang, Xiang Fei* and Meifang Zhu

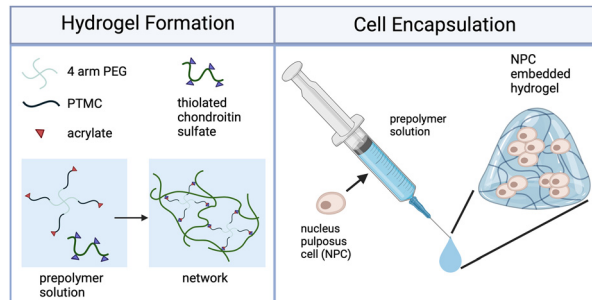
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Effect of multi arm-PEG-NHS (polyethylene glycol *n*-hydroxysuccinimide) branching on cell adhesion to modified decellularized bovine and porcine pericardium

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In situ forming, mechanically resilient hydrogels prepared from 4a-[PEG-*b*-PTMC-Ac] and thiolated chondroitin sulfate for nucleus pulposus cell delivery

Hossein Riahinezhad and Brian G. Amsden*

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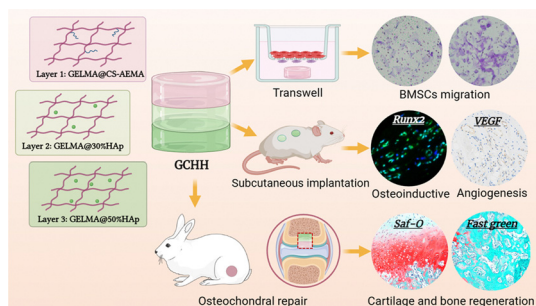


Photo-crosslinked integrated triphasic scaffolds with gradient composition and strength for osteochondral regeneration

Wenzhao Wang, Hui Li, Ping Song, Yanbo Guo, Di Luo, Hao Li and Liang Ma*

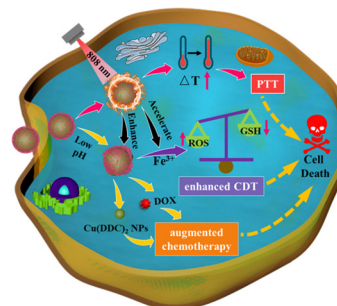


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Intelligent responsive copper-diethyldithio-carbamate-based multifunctional nanomedicine for photothermal-augmented synergistic cancer therapy

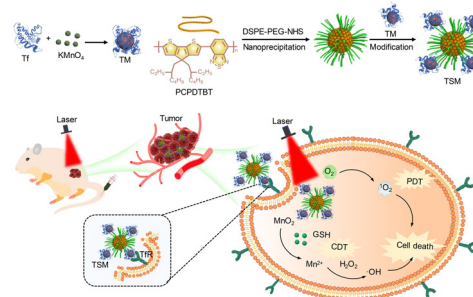
Xiangyu Meng,* Jiayi Wu, Zunfu Hu and Xiuwen Zheng*



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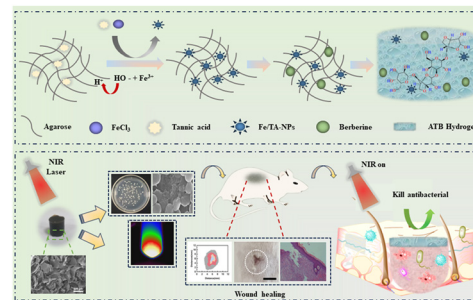
Xiaodan Chen, Danling Cheng, Ningyue Yu, Jian Feng, Jingchao Li* and Lin Lin*



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Near-infrared light-actuated on-demand botanicals release and hyperthermia by an antibiotic-free polysaccharide-based hydrogel dressing for the synergistic treatment of wound infections

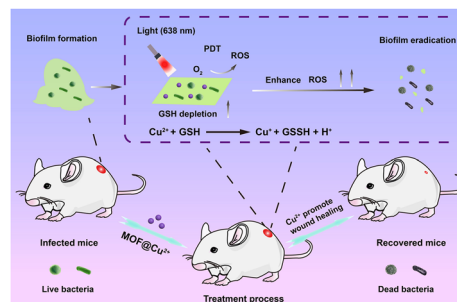
Shuwen Sun, Wenbo Lin, Lu Yang, Chenhao Zhang, Hong Kan, Chen Xu* and Kai Dong*



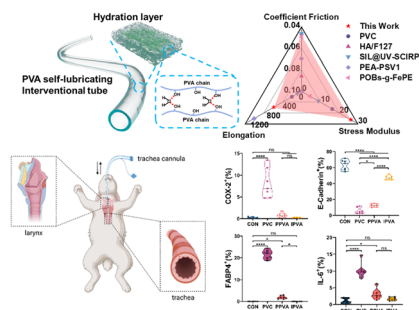
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Copper(II)-infused porphyrin MOF: maximum scavenging GSH for enhanced photodynamic disruption of bacterial biofilm

Yaoxin Zhang, Linpei Li, Hui Liu, Haixia Zhang, Menghao Wei, Junqing Zhang, Yanwei Yang, Mengnan Wu, Zhaowei Chen, Chaoqun Liu,* Faming Wang,* Qiang Wu* and Jiahua Shi*



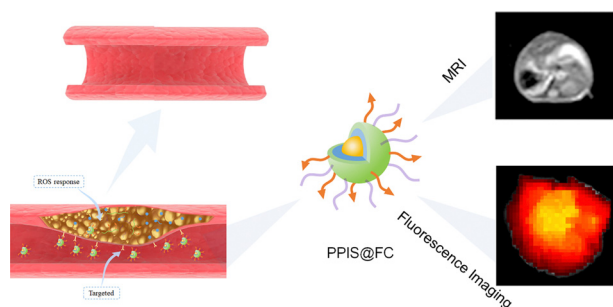
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Robust and self-lubricating polyvinyl alcohol tubes with a mucosa-like hierarchical architecture for endotracheal intubation

Tongrui Zhang, Kuo Gai, Ruyi Li, Yi Liang, Li Li, Junyu Chen* and Min Nie*

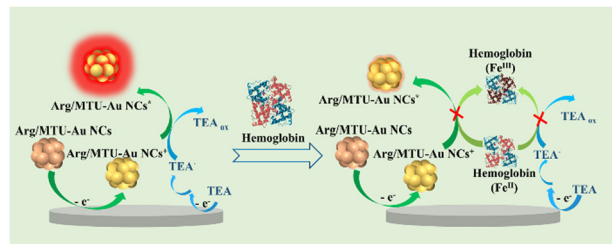
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Dual-modality probe nanodrug delivery systems with ROS-sensitivity for atherosclerosis diagnosis and therapy

Meili Shen, Hui Jiang, Shaojing Li, Linlin Liu, Qingbiao Yang, Haiqin Yang, Yan Zhao, Hao Meng, Jingyuan Wang and Yapeng Li*

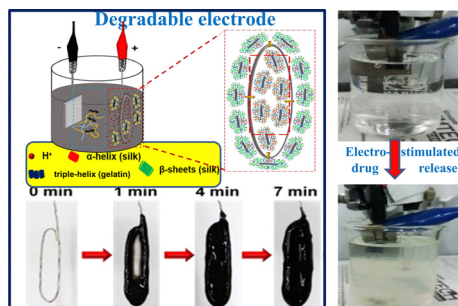
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Supramolecular assembly-induced electrochemiluminescence enhancement of gold nanoclusters for hemoglobin detection

Xue Ge, Mingming Zhang, Fei Yin, Qian Sun, Fan Mo, Xinzhou Huang, Ying Zheng, Guoqiu Wu, Yuanjian Zhang and Yanfei Shen*

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Electro-gelated drug-embedded silk/gelatin/rGO degradable electrode for anti-inflammatory applications in brain-implant systems

Zhen-Kai Lin, Jing-Syu Lin, Zih-Huei Chen, Hung-Wei Cheng,* Wei-Chen Huang* and San-Yuan Chen*

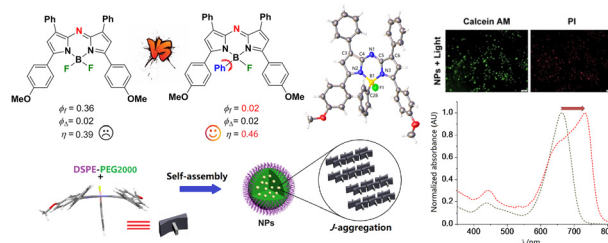


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Monophenylboryl aza-BODIPY with free rotation of the B-phenyl group for enhanced photothermal conversion

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pH-Responsive nanoplatform synergistic gas/photothermal therapy to eliminate biofilms in poly(L-lactic acid) scaffolds

Guowen Qian,* Yuqian Mao, Huihui Zhao, Lemin Zhang, Long Xiong and Zhisheng Long*

